REMARKS

The Office Communication dated July 2, 2002, indicates that the sequence listing is incomplete because Figures 20 and 21 contain sequences with no SEQ ID NOS. in the brief description of the drawings. The Office Communication indicates that it is unknown whether these sequences are in the sequence listing and computer format. The Communication also indicates that if they are already listed, Applicant needs only to amend the specification with SEQ ID NOS. or provide corrected figures.

Applicant submits that consistent with this description the sequences pictured in Figures 20 and 21 were included in the sequence listing and the descriptions of Figures 20 and 21 have been amended to include SEQ ID NOS. As suggested in Item 7 of the Office Communication, Applicant is herein amending the specification appropriately, which will resolve the issue.

The Examiner is invited to contact the undersigned should any further problems result with respect to the sequence listing in this case.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "**Version with markings to show changes made.**"

Respectfully submitted,

Heidi S. Nebel, Reg. No. 37,719
McKEE, , VOORHEES & SEASE, P.L.C.
801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309-2721
Phone No. (515) 288-3667
Fax No. (515) 288-1338
CUSTOMER NO: 22885

Attorneys of Record

- kpa -

Application No. 09/811,842

AMENDMENT — VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification

At page 15, line 3, please replace paragraph 1 with the following:

Figure 20 is a depiction of a successful gene trapping in pGT5A-transfected PA317 cells (SEQ ID NO:2). NcoI restriction site located at the 5' end of hrGFP marker gene and an EcoRI at the Oligo-dA primer were used as cloning sites for gene trapped sequence into a sequencing vector which was digested with NcoI and EcoRI. After BLAST searching against mouse EST database in GenBank, the sequence trapped by pGT5A demonstrates 99% homology to a high mobility group protein, HMGI-C, a nuclear phosphoprotein that contains three short DNA-binding domains (AT-hooks) and a highly acidic C-terminus.

At page 15, line 28, please replace paragraph 3 with the following:

Figure 21 is a depiction of gene trapping of an exon with unknown biological function in pGT5A-transfected PA317 cells, (SEQ ID NO:2). NcoI restriction site located at the 5' end of hrGFP marker gene and an EcoRI at the oligo-dA primer were used as cloning sites for gene trapped sequence into a sequencing vector which was digested with NcoI and EcoRI. After BLAST searching against the EST database in GenBank, the sequence trapped by pGT5A is 95% match to a NCI_CGAP_Li9 Mus musculus cDNA clones, BF539247.1/BF533319.1/...etc., which have been found in the cDNA libraries from Salivary gland and liver.